

# Translation

## PATENT COOPERATION TREATY

From the  
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

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09 SEP 2004

To:

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Dragon International Patent Office

A1210 China International Science & Technology  
Convention Center

No. 12 Yumin Road

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### WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43 *bis*.1)

Date of mailing

(day/month/year)

Applicant's or agent's file reference

**PCT 04 001**

#### FOR FURTHER ACTION

See paragraph 2 below

International application No.

**PCT/CN2004/000161**

International filing date (day/month/year)

**02. March 2004 (02.03.2004)**

Priority date (day/month/year)

**08. Dec. 2003 (08.12.2003)**

International Patent Classification (IPC) or both national classification and IPC

**IPC 7 B01D11/02**

Applicant

**Cao Pei sheng**

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43*bis*.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

#### 2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1*bis*(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/  
6 Xitucheng Rd., Jimen Bridge, Haidian District,  
100088 Beijing, China

Facsimile No. 86-10-62019451

Form PCT/ISA/237(cover sheet)(January 2004)

Authorized officer

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**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.  
**PCT/CN2004/000161**

**Box No. I Basis of the opinion**

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.  
☐ This opinion has been established on the basis of a translation from the original language into the following language \_\_\_\_\_, which is a language of translation furnished for the purpose of the international search (under Rules. 12.3 and 23.1(b))
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the International application and necessary to the claimed invention, this opinion has been established on the basis of :
  - a. type of material  
☐ a sequence listing  
☐ table(s) related to the sequence listing
  - b. format of material  
☐ in written format  
☐ in computer readable form
  - c. time of filing/furnishing  
☐ contained in the international application as filed.  
☐ filed together with the International application in computer readable form.  
☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.  
PCT/CN2004/000161

**Box No. V Reasoned statement under Rule 43*bis*.1(a)(I) with regard to novelty, inventive step or  
industrial applicability; citations and explanations supporting such statement**

**1. Statement:**

Novelty (N)	Claims <u>1-19</u>	YES
	Claims _____	NO
Inventive step (IS)	Claims <u>1-19</u>	YES
	Claims _____	NO
Industrial applicability (IA)	Claims <u>1-19</u>	YES
	Claims _____	NO

**2. Citations and explanations**

As shown in the International Search Report, the prior art does not disclose a extraction method which is carried out under the nonlinear vibration in the defined high pressure ranges and a extraction apparatus as defined in claim 8, nor does the prior art give such a suggest. And the extract method and apparatus can be be industrially applicable. Thus, all claims meet the requirements of Article 33 PCT, i.e., the claimed invention appears to be novel, to involve an Inventive step, and to be industrially applicable.